

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: November 30, 2002, 12:28:13 : Search time 12.8748 Seconds

(without alignments)
1416.898 Million cell updates/sec

Title: US-10-054-680-4

Perfect score: 3228
Sequence: 1 MAMRLQLPLRSALFLHGLVT.....ADYGRGQEDSRDGRKASIG 620

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents-AA:*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/Backfilest1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	113.5	3.5	339	US-09-134-001C-3608	Sequence 3608, Ap
2	108.5	3.4	652	US-08-050-684-2	Sequence 2, Appl
3	108.5	3.4	652	US-08-582-719-2	Sequence 2, Appl
4	103.5	3.2	988	US-08-286-819A-19	Sequence 19, Appl
5	103.5	3.2	988	US-08-980-357-19	Sequence 19, Appl
6	103	3.2	519	US-08-997-445D-2	Sequence 2, Appl
7	100.5	3.1	330	US-09-134-001C-3811	Sequence 3811, Ap
8	97.5	3.0	10182	US-09-134-001C-3159	Sequence 3159, Ap
9	93	2.9	447	US-08-836-687B-39	Sequence 39, Appl
10	92.5	2.9	1976	US-09-024-020B-9	Sequence 9, Appl
11	92.5	2.9	1976	US-09-425-043-9	Sequence 9, Appl
12	92.5	2.9	1978	US-09-024-020B-3	Sequence 3, Appl
13	92.5	2.9	1978	US-09-425-043-3	Sequence 3, Appl
14	92.5	2.9	1988	US-09-024-020B-4	Sequence 4, Appl
15	92.5	2.9	1988	US-09-425-043-4	Sequence 4, Appl
16	92	2.9	749	US-09-562-737-98	Sequence 98, Appl
17	91.5	2.8	503	US-09-562-737-67	Sequence 67, Appl
18	91.5	2.8	644	US-08-866-757-2	Sequence 2, Appl
19	91.5	2.8	644	US-09-153-593-2	Sequence 2, Appl
20	90.5	2.8	708	US-08-576-165-2	Sequence 2, Appl
21	90	2.8	497	US-09-058-947A-4	Sequence 4, Appl
22	90	2.8	500	US-08-868-373-12	Sequence 12, Appl
23	90	2.8	548	US-08-656-034-10	Sequence 10, Appl
24	90	2.8	628	US-08-656-034-2	Sequence 2, Appl
25	89.5	2.8	1052	US-09-255-502-7	Sequence 7, Appl
26	89.5	2.8	1052	US-09-360-237-3	Sequence 3, Appl
27	89	2.8	825	US-09-540-824-26	Sequence 26, Appl

28	89	2.8	1780	US-08-769-309A-5	Sequence 5, Appl
29	89	2.8	1780	US-08-994-570-5	Sequence 5, Appl
30	88	2.7	1182	US-09-041-886-21	Sequence 21, Appl
31	88	2.7	2161	US-07-745-206A-2	Sequence 2, Appl
32	88	2.7	2161	US-08-455-543A-49	Sequence 49, Appl
33	88	2.7	2161	US-08-455-543A-51	Sequence 51, Appl
34	88	2.7	2161	US-08-223-305C-9	Sequence 9, Appl
35	88	2.7	2161	US-08-223-305C-51	Sequence 51, Appl
36	88	2.7	2161	US-08-311-363-2	Sequence 2, Appl
37	88	2.7	2265	US-08-149-097D-36	Sequence 36, Appl
38	88	2.7	2509	US-08-149-097D-35	Sequence 35, Appl
39	87.5	2.7	1144	US-08-726-214-6	Sequence 6, Appl
40	87	2.7	237	US-09-336-643A-25	Sequence 25, Appl
41	87	2.7	707	US-08-576-165-4	Sequence 4, Appl
42	86.5	2.7	297	US-08-466-906B-7	Sequence 7, Appl
43	86.5	2.7	297	US-08-706-281A-8	Sequence 8, Appl
44	86.5	2.7	297	US-09-201-746-7	Sequence 7, Appl
45	86.5	2.7	297	US-09-097-231-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-09-134-001C-3608
Sequence 3608, Application US/09134001C

Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC

FILE REFERENCE: STC-007

CURRENT APPLICATION NUMBER: US/09/134,001C

PRIOR FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR FILING DATE: 1997-11-08

PRIOR APPLICATION NUMBER: US 60/055,779

NUMBER OF SEQ ID NOS: 5674

SEQ ID NO 3608

LENGTH: 339

TYPE: PRT

ORGANISM: Staphylococcus epidermidis

US-09-134-001C-3608

Query Match 3.5%; Score 113.5; DB 4; Length 339;

Best Local Similarity 20.4%; Pred. No. 0.0045;

Matches 69; Conservative 53; Mismatches 149; Indels 67; Gaps 12;

QY	195	RIKIKLRVFITRAAMISIFAYIMLMILAVFSGVQVWEGLLTFFFPYCYLLAWADKR	254
DB	3	RIKIKRSDLMF-SIGFIIIVIIIVALLILFSPVGLWSALAA--GVHVGIGTLVGR	58
QY	255	LLEFYKMHKKYPRDKRGIIIFTEGDPKGIEMDKMNSHFL-----DGNL-----	301
DB	59	L-----KRVSRKRYIAPLIRKAKGALNLTTLQSLSHYLAGNVDNRVDANITAAOR	108
QY	302	---VPLE-GKEVDESRRMIRIKDKQHPKDKIDOLVEMANYVALSHQKSRAPYRI	356
DB	109	ADIDLEFPERGAIDLGRVLEAVQ--MSVNPKEVITETPIAGVAMNGIEVKAKARITVA	166
QY	357	QATRMATGAG-NILKKHAADQAKKASMEVTHDEEDISTKYFPDPCYQCLENGAVL	415
DB	167	NIALRVGGAGEETIARVGEIVSTIGSEHHT-----EVLNDPNIS	209
QY	416	LTVVRKG--GDMKTMVVDYKTEDGSANAGADY---FTGTVLAKPGETQKEPSVGI	468
DB	210	KYVLSGDLSGTRAFELTSLDIDAVDLSKNIGDALQLEQALADKNINQAKAEGRRAVA-	268
QY	469	IDDDIFEDEHFFVRLSNVRIEEOPEGMPIAFNSL	506
DB	269	-----SEQEMKARVOEMRAKVAEAESEVPLAMAEAL	299

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US-08-050-684-2
; Sequence 2, Application US/08050684
; Patent No. 5550221
GENERAL INFORMATION:
APPLICANT: Johann Dr., Stephen V.
APPLICANT: Van Zeijl Dr., Maria
APPLICANT: O'Hara Dr., Bryan M.
TITLE OF INVENTION: Amphotropic Virus Receptor
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: American Cyanamid Company
STREET: 1937 West Main Street
CITY: Stamford
STATE: CT
COUNTRY: United States of America
ZIP: 06904-0060
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/050.684
FILING DATE: 16-Apr-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Lomey Dr., Karen A.
REGISTRATION NUMBER: 31,274
REFERENCE/DOCKET NUMBER: 31937-00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203-321-2361
TELEFAX: 203-321-2971
TELEX: 710-474-4059
INFORMATION FOR SEQ ID NO. 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 652 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-050-684-2

Query Match 3.4%; Score 108.5; DB 1; Length 652;
Best Local Similarity 19.9%; Pred. No. 0.045;
Matches 124; Conservative 89; Mismatches 210; Indels 201; Gaps 30;

OY 77 VVVVVALIYM-LGVSIADRFMASII-EVITSQR-----EYITKKRNGEN- 121
    ::::| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 11 ILGFIATFLAVSANDVANSFGTAIVGSVLTLDQACIASIFETTGSVLLGARVGETI 70
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 122 --STTIRVNENLTLMA-----LGSSAPEILLSLIE--VCG-HGFIAIGDLPSTI 170
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 71 RKGIIDVNLNNTVE--FLMAGEVSAMGSAWMOLLASFLRLPISGTHIVYSTIGFSLV 128
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 171 V-----GSAAFNMFTIIGICVYVIPDGETRKIKHLRVFF- 204
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 129 AIGTCGVMMELVKIVASWETSPLLSGEFWSGLFLVLRIFFIKKEDPVPNGLRALPVFYA 188
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 205 ITAAISIFYIV----LYMILVASPGVGYVMEGLTLTFEPFVCV----- 245
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 189 ATIALNVESIMKTGAIPVLDGLVPMWAILISGVALLEAFEFWLFLVCPMRKRKITGKLQK 248
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 246 -LLAAVVDKRL-----LFYVMHKKYRTDKH--RGIIIEY-----EGDHPR 283
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 249 EGALSRSVESLSKVQAESAIPVFKEPLPKAKANDDSITPILTGAAGELTIGSEGTSAQSHPR 308
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 284 GI-----EMDGKMNSHF-----LDGNLVPLEGKEVDSESRREMIRILDLOK 326
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 309 AAYGRALSTHGHSVKSPTISNGTFCFDGHTRPDDGHYHTVHNKDSG-----LYKDLLHK 360
    :| | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 327 -HPEPDOLVEMANVYVLAISHQOKRARATRYRDATNMTHGAGNLIKKHAEAQKKASSME 385
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Db      361 IHIDGPEEKPAQESNYRLRRNNSTYTC-----TAICG-----LPVHAFRAADSSA---- 409
Qy      366 VHTDEPDFISVYFDEPCGYOCLENGAVLLTVYKRGGMSTMYDYITDEGSANAGAD 445
Db      410 -----PED-SERLYDDTVSY-----KRLRLRDSYSSYCNAAVEAE 444
Qy      446 YEFTEGTAVLKRGEMQKESVGIIDDDIFEEDHFFVRLSNVRIEEOPEEGMPA--IF 503
Db      445 IEAEEGCVEMK-----LASELADPDQPREP-----AEEKEEKAPEVHLIF 487
Qy      504 NSLPLPRAVLAS-----PCVATVTILDDHAGIFTFECDT-----IHV 541
Db      488 HFLVLTACFGSGFANGDNVSNAGPLVALMLYKQ---GGVTOGEATPVMLLEYGVGI 544
Qy      542 SESIGYMEKYVLRITSGAKGTIVP 565
Db      545 CTGLWVGRRVYIQTGKDLTPITP 568

RESULT 3
; Sequence 2, Application US/08582719
; Patent No. 5633348
; GENERAL INFORMATION:
; APPLICANT: Johann Dr., Stephen V.
; APPLICANT: Van Zell Dr., Marja
; TITLE OF INVENTION: Amphotropic Virus Receptor
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: 1937 West Main Street
; CITY: Stamford
; STATE: CT
; COUNTRY: United States of America
; ZIP: 06904-0060
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/582,719
; FILING DATE: 04-JAN-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/050,684
; FILING DATE: 16-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Lowney Dr., Karen A
; REGISTRATION NUMBER: 31,274
; REFERENCE/DOCKET NUMBER: 31937-00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 203-321-2361
; TELEFAX: 203-321-2971
; TELEX: 710-474-4059
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 652 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-582-719-2

Query Match 3.4%; Score 108.5; DB 1; Length 652;
Best Local Similarity 19.9%; Pred. No. 0.045;
Matches 124; Conservative 89; Mismatches 210; Indels 201; Gaps 30.

Qy      77 VVVFVALIYF-LGCSIADRFMASI--EVTISOE-----EVTIKKNGEY- 121
Db      11 ILGLFIATLAFSGADVANSFGTAVSGVTLRQACIASIFETTSVLLGARVGETI 70
Qy      122 --STTTVMNVEIYVSNLTMLA-----LGSSAPEILSLIE--VCG-HGFTAGDLGPSTI 170

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Db 71 RKGIIDVNLNRYEVE--TLMEGEVSAMGSAWQLIASRLRPIGTHOIVSTIGFSLV 128
Qy 171 V-----GSAENFMFTIIGICVYVDPGETRKIKHLRVEF- 204
Db 129 AIGTKGVOMMELVKIVASWFSPLSGFMSGLFLIRIFILKEDPVPNGIRALPVEFA 188
Qy 205 ITAASIFAYIM-----LYMILAFSPGVYQWEGLLTLEFFPVY----- 245
Db 189 ATIALNVSIMTGPVILGVLPMWALISFGVALLFAEFVWLVCPPMRRKITGKLOK 248
Qy 246 --LLAMVADKRL-----LEKYVMHKYRTDKH--RGIIET-----EGDHPK 283
Db 249 EGALSRSVDESLSKVGEASPVFKELPGKANDSTIPLTGAAGETLGTSEGSAGSHR 308
Qy 284 GI-----EMDGKMMNSHF-----LDGNLVPLEGKEVDSSRREMIILDKLOK 326
Db 309 AAYGRALSMTHGSVSPISNGTFGFGDHTRSBGHYHVFVKDSC-----LYKDLLHK 360
Qy 327 -HPEKDLQVEMANYVALSHQOKSRAFYRIQATRMGTGAGNILLKHAEOAKKASSMSE 385
Db 361 IHIDGPEKPAQESNRYLRRNNSYTCT--TALICG---LPHVATFRADSSA--- 409
Qy 386 VHTDEPDEFISKVFPDPCSYOCLNCGAVLTVKRGKDMKTYVYDYKTEDGSANAGAD 445
Db 410 ----PED-SEKLVGDVTSYS-----KKRLRYDSYSSYCNMAVEAE 444
Qy 446 YEFTEGTVALKGETQKEFSVGIIDDDIFEDEHFFVRLSNVRIEBOPEGMPRA--IF 503
Db 445 IEAEGGVEMK-----LASELADPDQPREDP-----AEEKEKKAPEVHLIF 487
Qy 504 NSLPRLPRLVLA-----PCVATVTIIDDHAGITFEPCDT-----IHV 541
Db 488 HFLQVLTACFGSFGANGDVSNATIGPLVALMLTYKQ--GCVTOEATFVWLLFTGGVGI 544
Qy 542 SESIGMEVKYLTSGARGTYIVP 565
Db 545 CTGLWVGRRVYQTMGKDLTPITP 568

```

RESULT 4
US-08-286-819A-19
Sequence 19, Application US/08286819A
Patent No. 5871910
GENERAL INFORMATION:
APPLICANT: ARTHUR, MICHEL
APPLICANT: DUKTA-MALEN, SYLVIE
APPLICANT: MOLINAS, CATHERINE
APPLICANT: COURVALIN, PATRICE
TITLE OF INVENTION: POLYPEPTIDES IMPLICATED IN THE
EXPRESSION OF RESISTANCE TO GLYCOPOLYMERES, IN PARTICULAR
TITLE OF INVENTION: IN GRAM-POSITIVE BACTERIA, NUCLEOTIDE SEQUENCE CODING FOR
NUMBER OF INVENTION: THESE POLYPEPTIDES AND USE FOR DIAGNOSIS
CORRESPONDENCE ADDRESS: 54
ADDRESS: OBLON, SPIVAK, MCLELLAND, MATER & NEUSTADT,
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/286,819A
FILING DATE: 05-AUG-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/174,682

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FILING DATE: 28-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/917,146
FILING DATE: 10-OCT-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FR/91/00855
FILING DATE: 29-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 9013579
FILING DATE: 31-OCT-1990
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NO. 5871910man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 660-060-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 988 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-286-819A-19

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Query Match 3.2%; Score 103.5; DB 2; Length 988;
Best Local Similarity 19.3%; Pred. No. 0.3;
Matches 116; Conservative 89; Mismatches 173; Indels 223; Gaps 32;

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Qy 3 WRLOPLTSAFLHFGVLFVL-----FLNGLRREAGSGSDVPSTGONNESCSSSPC 54
Db 104 WDLKLEIRN---EYDFVFTLSEYRMTFKYLQALD-----NGDAIHLHSC 148
Qy 55 -----KEGYILP-----IWPENPSIGDKRIARIYFVALIYMELGVSIIADPFMS 101
Db 149 IDPLRRNKIILPAITTLERMMV--EAKMAEK-----KLENTVS----- 185
Qy 102 IEVITSQERE-----VTIKRPNGETSTTIRVNETVSNLTLMAAGSAPETLLSIEVC 156
Db 186 -KSLNKECKELEGITTSHPN--ESNKITILGMLKRP-----GHPREPFLEKITE-- 233
Qy 157 GHGFIAGDLGPSTIVGSAFNMFTIIGICVYVDPGETRKIKHL---RVFFITA----- 207
Db 234 -----RLEYIRGM-----DLETVOISHLHRRRLDLSRLGSRYE 267
Qy 208 --AMSIFAIWMILAVSPGVYQWEGLLTLEFFPVCVLLAMVADKRLRFFKYKHNKKY 265
Db 268 PAFRFDPOENKRSTITTY--LLOLTOELTDKAF-----EINDROIILSLSGRKA 316
Qy 266 RTDKHRGIIETEGDHPKGIEMDGKMMNS--HFLDGNLVPLEGKEVDSSRREMIIRLD 322
Db 317 QEEIQK-----QNGKKLNKRYIHFTN-----IGQMLIKAREKLDVFKV 355
Qy 323 LKQ-----KHPEKDLQVEMANYVALSHQOKSRAFYRIQATRMGTGAGNILLKHA 375
Db 356 LESVLEMTNFTVSVSEAEOLARPADYDYLLOK--RFYSRL--KTPPLRLVLEHSHRK 411
Qy 376 -----QAKKASSMSEVHNDPEDEFISKVFPDPCSYOCLNCGAVL----- 415
Db 412 ANEPLLAVEITIRGNESGKRKVPDSDVFTSKRW-----KRLHLEDGTTIRHRYEMA 467
Qy 416 -LTVVR---KGDMS---KTYVYDYKTEDGSANAGADYEFTEGTVALKGETQKEFSVGI 468
Db 468 VLTELEHRAHADVSIVSGROYRDPF-----EYLFSEDTYMQSGNTRLVSLS- 516
Qy 469 IDDDIFEDEHFFVR-----LSNVRIEBOPEEG--MPPAIFNSL 506
Db 517 FEDYITERSTSPNERLKLMAANSNKLDGVSLEKGLSLARLEKXDVEEAKKFSASLYQML 576

```

OY 507 P 507
DB 577 P 577

RESULT 5
US-08-980-357-19
Sequence 19, Application US/08980357
Patent No. 6013508
GENERAL INFORMATION:
APPLICANT: ARTHUR, MICHEL
APPLICANT: DUKHA-MALEN, SYLVIE
APPLICANT: MOLINAS, CATHERINE
TITLE OF INVENTION: POLYPEPTIDES IMPLICATED IN THE
TITLE OF INVENTION: EXPRESSION OF RESISTANCE TO GLYCOPROTEINS, IN PARTICULAR
TITLE OF INVENTION: IN GRAM-POSITIVE BACTERIA, NUCLEOTIDE SEQUENCE CODING FOR
TITLE OF INVENTION: THESE POLYPEPTIDES AND USE FOR DIAGNOSIS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/980,357
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/286,819
FILING DATE: 05-AUG-1994
APPLICATION NUMBER: US 08/174,682
FILING DATE: 28-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/917,146
FILING DATE: 10-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FR/91/00855
FILING DATE: 29-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 9013579
FILING DATE: 31-OCT-1990
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NO. 6013508man F.
REGISTRATION NUMBER: 24,618
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ. ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 988 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-980-357-19

Query Match 3.2%; Score 103.5; DB 3; Length 988;
Best Local Similarity 19.3%; Pred. No. 0.3;
Matches 116; Conservative 89; Mismatches 173; Indels 223; Gaps 32;

OY 3 WLRLOPLTSLFHLGLVTVL-----FLNGLRAAGSGGVPTGQNNESCSSSDC 54
DB 104 WDLKLEIRS---EYDEVFTLSSEYRMTFKYLHQLALE-----NGDAIHLLHEC 148

OY 55 -----KEGVLP-----IWPENPSLGDKIARVIVFVALIYMLGVSIIADRFMAS 101
DB 149 IDFLRNKKIILPAITTLERVW--EARAMAK-----KLENTVS----- 185

OY 102 IEVITSOERE-----VTIKPNGESTTTIRVNNVSNITLMASSAPILLSLIEVC 156
DB 186 -KSLTNEQKEKLEIGIITSOHP--ESNKTILGMKEPP-----GHPSEFELKITE-- 233

OY 157 GHFINGDGLGPTIVGSAANMFIIIGICVYVLPDGETRIKHL---RVFFIA----- 207
DB 234 -----RLEYIRGM-----DLETVOISHRRNLQLSRLSSRE 267

OY 208 --AMSIFAYIWLMIYAVSPGVQWEGILTFEPVCVLLAMVADKRLFFKYMHKRY 265
DB 268 PVAFRPQENKRRVSLITV---LLOLTQELTDKAF-----EIHDRQLSLSKGRKA 316

OY 266 RTDKHNGIITETGDPKGIEMDGKMMNS---HFLDGNLVPLEKGEVDSRRMTIILKD 322
DB 317 QEEIQR-----QNGKRLNEKVIHFTN-----IGQALIKAREKLDVFKV 355

OY 323 LKQ-----KHPEKDLDLVEMANYVALSHOOKSRAFYRIQATRMGTGATLKKHAAE 375
DB 356 LESVIEWNTFVSSVEEQLARPADYIDLQK--RFSYLR--KTPILLRVLERHSTK 411

OY 376 -----QAKRASSMEVHTDEPEDFISKVEFPDSCYOCLNCGAVL----- 415
DB 412 ANEPILQAVEITIGMNSGKRVDPDSVDFISKRW---KRLYEDDGTITIRHYEMA 467

OY 416 -LTVVR---KGDMS---KTHYVDYKTEDGSANAGADYETEGTVLAKPEITKESVGI 468
DB 468 VLTELREHRAAGDVSIQSRQYRDFE-----EYLFSEDTMWSKNTLSVSL-- 516

OY 469 IDDDIFEDEHFFVR-----LSNVRIEEOPEEG--MPPATFNLSL 506
DB 517 FEDYITERSTSFENRLKWLANSNKLDGVSLEKGLSLARLEKDVEBEAKKFSASLYQML 576

OY 507 P 507
DB 577 P 577

RESULT 6
US-08-997-445D-2
Sequence 2, Application US/08997445D
Patent No. 6043342
GENERAL INFORMATION:
APPLICANT: KOCHER, OLIVIER N.
TITLE OF INVENTION: PDZK1 Protein Containing PDZ
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 67
CITY: Brookline
STATE: Massachusetts
COUNTRY: USA
ZIP: 02146
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 mb storage
OPERATING SYSTEM: MS DOS
SOFTWARE: Wordperfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,445D
FILING DATE: December 23, 1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-037
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 232-7509

```

: INFORMATION FOR SEQ. ID NO: 2:
:
: SEQUENCE CHARACTERISTICS:
:
: LENGTH: 519 amino acids
:
: TYPE: amino acid
:
: STRANDEDNESS: single
:
: TOPOLOGY: linear
:
:
US-08-997-445D-2

```

Query Match 3.2%; Score 103; DB 3; Length 519;
 Best Local Similarity 20.7%; Pred. No. 0.11; 90; Indels 46; Gaps 10;
 Matches 47; Conservative 44; Mismatches 90

```

QY 282 PKGIEMOGKMNNSHFLDGNILPLEGKEVDSDRMI-----RL-----KDLQKH 327
D 165 PQGVAMRAGVL----ADHDILEVNGEAVEDASHKVEYKVKSSSRWMLFLVDKENDKRH 220
QY 328 PEKDDLDIVEMANYALSHQOKSAFPRIOATRMTCAGNILLKHAEOAKKASSMEVH 367
D 221 VEOKIOFKRETAASLKLPHOPRI-----VEMKKSGNSGYFLR---AGSBQKQIHKDID 272
QY 388 TDER-----EDFISVFFDPCSYOCLEMGAVLLTVYVRKGGDMKMTMYDKTEDGS 439
D 273 SSGSAEEAGLKNNDLVAAVNGE--SVETLHDHSYV--EMIRKGGDQTSLLVVDKEDNMY 328
QY 440 ANAG-----ADVEFEGTATVLLKPGETOKFSGVSIIDDLDFEEDH 479
D 329 LRAHSPPLLYQSOELPNGSVEKAPAPTPSSLEVS--SPDTEVEVDH 374

```

```

RESULT 7
US-09-134-001C-3811
: Sequence 3811, Application US/09134001C
: Patent No. 6380370
: GENERAL INFORMATION:
: APPLICANT: Lynn Doucelte-Stamm et al
: TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
: TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
: FILE REFERENCE: GFC-007
: CURRENT APPLICATION NUMBER: US/09/134,001C
: PRIORITY FILING DATE: 1998-08-13
: PRIOR APPLICATION NUMBER: US 60/064,964
: PRIOR FILING DATE: 1997-11-08
: PRIOR APPLICATION NUMBER: US 60/055,779
: PRIOR FILING DATE: 1997-08-14
: NUMBER OF SEQ ID NOS: 5674
: SEQ ID NO 3811
: LENGTH: 330
: TYPE: PRT
: ORGANISM: Staphylococcus epidermidis
: US-09-134-001C-3811

```

Query Match	3.18	Score 100.5	DB 4	Length 330
Best Local Similarity	21.88	Pred. No. 0.096		
Matches 47	Conservative 32	Mismatches 88	Indels 49	Gaps 6

[illegible]

RESULT 8

```

US-09-134-001C-3159
; Sequence 3159 Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: CTC-007
; CURRENT APPLICATION NUMBER: US/09/134.001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3159
; LENGTH: 10182
; TYPE: prt
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3159

```

Query Match	3.0%;	Score 97.5;	DB 4;	Length 10182;
Best Local Similarity	21.5%;	Pred No. 67;		
Matches 73;	Conservative 56;	Mismatches 133;	Indels 77;	Gaps 16

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OY 310 DESREEMRIKLDKO---KHPEKD-----LQVEMANYVA-----LSHOK 349
Db 9419 DATSNDLVNQAOKDGGCAIEHIAHDELPRAKKLDANOMIOQKVEDINHLSQNPNTSNEEK 95338
OY 350 SRAFYRTOATFRMTGAGN---ILKHAQAOKASSMSEVHTDEBEDFISKVFFDPCSY 405
Db 9539 NKLSOI---NMLVGINNETIOQALNKOIINA---TYRKLEVIETTYKKLLIAAE---AK 9590
OY 406 QCLENGCAVLLTVVRKGGDSKTYVYDYKTEGDSANAAGADYEFTEGTVLAKGETOKERS 465
Db 9591 QMIKELSGKKRDAINNNTDL-----TPSQKAHLADIKTE-----KALQHIENS 9636
OY 466 VGIIIDDIFFEDDEHFYPRLSNVRKEEQPREGPPALFN---SLPLRAYLASPCA----- 519
Db 9637 NSI---DDINNKEHAFTMLHIIIMTDQO---PLVEFVPELSTIONALVTSSEVVHNDE 9690
OY 520 -----TWYIIDDHAGIFTEECPTIHVESISIGEMEKVLRITSGARCTVIVPFRYE 570
Db 9691 TISLESIKKMTLDELKVNIVSLP---NTQVADHL---TAKKVIYLAGDSVTVNNVPKYVE 9748
OY 571 GTAKGGDEDEDYTG-----ELEKNDENYCSROEA 601
Db 9749 KELYAKKDAIKTIDVLVKOKIKIDISNNBLTSTOREDA 9787

```

RESULT 9
US-08-836-687B-39
: Sequence 39, Application US/08836687B

```

: GENERAL INFORMATION:
: APPLICANT: Gasson, Michael John
: APPLICANT: Dodd, Helen Mair
: TITLE OF INVENTION: PRODUCTION OF VARIANT NISTIN
: FILE REFERENCE: 20/47/70
: CURRENT APPLICATION NUMBER: US/08/836, 687B
: CURRENT FILING DATE: 1995-11-20
: NUMBER OF SEQ ID NOS: 51
: SOFTWARE: Patentin Ver. 2.1
: SEQ ID NO 39
: LENGTH: 447
: TYPE: PRT
: ORGANISM: Lactococcus sp.
US-08-836-687B-39

```

Query Match	2.9%	Score	93	DB	4	Length	447
Best Local Similarity	18.7%	Pred. No.	0.96				
Matches	90	Conservative	68	Mismatches	157	Indels	166
						Gaps	23

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/425,043
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/024,020
FILING DATE: 16-FEB-1998
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1976 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-425-043-9

Query Match 2.9%; Score 92.5; DB 4; Length 1976;
Best Local Similarity 18.4%; Pred. No. 14;
Matches 95; Conservative 69; Mismatches 167; Indels 185; Gaps 21;

QY 81 FVALI-----YMFLEGVSIADRFMASIEVITSOEREVITKKPNGETSTTTIRVMNETVSN 135
DB 797 FLKLAMDPIYYFQEGWNIFFDGFIVLSLIM-----ELSLADVEGLSVLSRFL----- 844
QY 136 LTLMAIGSSAPRILSLIEVCGHGTAGDLPSTIVGSAFMFTIIGI-----CV 186
DB 845 LRVFLAKSWPTLNM-LIKIIGNS--VGALGNLTVLAIIVFIFAVVGMQLGKSKYKECV 901
QY 187 YVIPGERTKIKHLRVF-----ITAMSIFAIWMILAVSPGVQYW 232
DB 902 CKINQECKLPKRMHNDFFHSFLIVRVLCGEMIETMMDCMEVAGAMCLIVM--MVNVI 959
Y 223 EGLTLFFRPVCLLAWVADKRLFLFYKYMKKYRTDKNHRGIIIEEGDHPRKGIENDGKMM 292
DB 960 GNLVVNLNLFALLLSFSADN-----LAATDD-----DGEKN 991
QY 293 NSHFLDGNLVPLEGKEVDSESRREMTIRIKDL-----KQKHPE--KDLQDL 335
DB 992 NQOI-----SVIRIKGVAMTKVKYHAFMQAHFKQREADEVPRDLDEL 1033
QY 336 VE-----MANYVALSHQOKSRAFYRIQATRMGTGAGNLIKRAADQAKKASMSVHTDE 390
DB 1034 YEKKANCINAHHTGVDIRHNGD--FQKNGNGTSGIGSSVEKIITD----- 1076
QY 391 PEDFISKYFDPGCSYQCLENCAGVLLTVVRKGDMSKTYVYDKTEGDSANAGADYEFT 450
DB 1077 EDHMS-----FINNPMLTVRVPIAVG-----ESDFELNLTEDVSS----- 1111
QY 451 GTVVLKPGETOKESVGIIDDDIEFEDDEHFVRLSNVRIEEOPEBGMRAIFNSLPRLPR 510
DB 1112 -----ESDPGSKDKLDDTSSEGSTIDIKPEVEEVPRVQPEYLD-----PD 1154
QY 511 AVLASPCVATVITLDDDHAGITFECDPIHVESIG 546
DB 1155 ACFTGCVQ-----RFRCCOVNIEEGLG 1177

RESULT 12
US-09-024-020B-3

Sequence 3, Application US/09024020B
Patent No. 6030810
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
APPLICANT: SANGMESMARAN, LAKSHMI
TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
TITLE OF INVENTION: SODIUM CHANNEL 1-SUBUNIT AND A SPLICE VARIANT THEREOF
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,020B
FILING DATE: 16-FEB-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1978 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-024-020B-3

Query Match 2.9%; Score 92.5; DB 3; Length 1978;
Best Local Similarity 18.4%; Pred. No. 14;
Matches 95; Conservative 69; Mismatches 167; Indels 185; Gaps 21;

QY 81 FVALI-----YMFLEGVSIADRFMASIEVITSOEREVITKKPNGETSTTTIRVMNETVSN 135
DB 799 FLKLAMDPIYYFQEGWNIFFDGFIVLSLIM-----ELSLADVEGLSVLSRFL----- 846
QY 136 LTLMAIGSSAPRILSLIEVCGHGTAGDLPSTIVGSAFMFTIIGI-----CV 186
DB 847 LRVFLAKSWPTLNM-LIKIIGNS--VGALGNLTVLAIIVFIFAVVGMQLGKSKYKECV 903
QY 187 YVIPGERTKIKHLRVF-----ITAMSIFAIWMILAVSPGVQYW 232
DB 904 CKINQECKLPKRMHNDFFHSFLIVRVLCGEMIETMMDCMEVAGAMCLIVM--MVNVI 961
QY 233 EGLTLFFRPVCLLAWVADKRLFLFYKYMKKYRTDKNHRGIIIEEGDHPRKGIENDGKMM 292
DB 962 GNLVVNLNLFALLLSFSADN-----LAATDD-----DGEKN 993
QY 293 NSHFLDGNLVPLEGKEVDSESRREMTIRIKDL-----KQKHPE--KDLQDL 335
DB 994 NQOI-----SVIRIKGVAMTKVKYHAFMQAHFKQREADEVPRDLDEL 1035
QY 336 VE-----MANYVALSHQOKSRAFYRIQATRMGTGAGNLIKRAADQAKKASMSVHTDE 390
DB 1036 YEKKANCINAHHTGVDIRHNGD--FQKNGNGTSGIGSSVEKIITD----- 1078

QY 391 PEDFISKVFEDPCSYOCLNCGAVLLTVRKGDMSKTMVVDYKTEDGSANAGADYEETE 450
1113
Db 1079 -EDHMS-----FINPNLTVRPIAVG-----ESDFENLTEDVSS-----1113
QY 451 GTVVLKGFQKERSVGIIDDDIFEDEHFFVRLSNVRIEEOPEEGMPAIFNSLPLR 510
1114 -----ESDPEGSKDKLDDTSSSEGSTIDIKPEVEEVEQPEEYLD-----PD 1156
QY 511 AVLASPCVATVTLDDDHAGIFTECDTHVSESIG 546
1157 ACFTGCGV-----RKKCCQVNIIEBGL 1179
RESULT 13
US-09-425-043-3
Sequence 3, Application US/09425043
Patent No. 6335172
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
APPLICANT: SANGAMESWARAN, LAKSHMI
TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
NUMBER OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESSES:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/425,043
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/024,020
FILING DATE: 16-FEB-1998
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1978 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-425-043-3
Query Match 2.9%; Score 92.5; DB 4; Length 1978;
Best Local Similarity 18.4%; Pred. No. 14;
Matches 95; Conservative 69; Mismatches 167; Indels 185; Gaps 21;
QY 81 FVLI-----YMFAGVSIIDRFMASIEVITSOERETIKKPKNGSTTIIRVNNETVS 135
1113
Db 799 FKLIMADPPIYVOEGNITDGTIVSLIM-----EISLADVGLSLVRSFRL-----846
QY 136 LTLMAISSAPEILLSLIEVCGHGFIAGDLGPSTIVSAFNNFIIGI-----CV 186

Db 847 LRVFKLAKSWPPTLNM-LIKIIGNS--VGALGNLTVLAIIVFIFAVGMOLFCKSYKECV 903
QY 187 YVTPDGETRIKILRVF-----ITAAISIFATVILVILVIFSPGVQVW 232
Db 904 CKINQECKLPRMWHNDFEHSFLVFRVLCGEVETIMDCNEVAGQACLVFM--NVMVI 961
QY 233 EGLITFFFPVCYLLAWVADKRLLEFKYMKRYRTDKRGCIITETEGDHKGIEMDGKM 292
Db 962 GNIVLVNLFALLLSFSAUN-----LATD-----DOEMN 993
QY 293 NSHFLDGNLVPLESGEVESRERIRIKDL-----KQKPE--KIDOL 335
Db 994 NLOI-----SVIRIKKGAVTKYVNAFMOAHFQRADEKVPDEL 1035
QY 336 VE-----MANYVALSHQOKRAFYRIQATMMTGAGILKHAEOAKKASSMSEVHTDE 390
Db 1036 YEKKANCIAHNTGVDIRND--FQKNGNTTSGIGSVKRYIID-----1078
QY 391 PEDFISKVFEDPCSYOCLNCGAVLLTVRKGDMSKTMVVDYKTEDGSANAGADYEETE 450
Db 1079 -EDHMS-----FINPNLTVRPIAVG-----ESDFENLTEDVSS-----1113
QY 451 GTVVLKGFQKERSVGIIDDDIFEDEHFFVRLSNVRIEEOPEEGMPAIFNSLPLR 510
Db 1114 -----ESDPEGSKDKLDDTSSSEGSTIDIKPEVEEVEQPEEYLD-----PD 1156
QY 511 AVLASPCVATVTLDDDHAGIFTECDTHVSESIG 546
Db 1157 ACFTGCGV-----RKKCCQVNIIEBGL 1179
RESULT 14
US-09-024-020B-4
Sequence 4, Application US/09024020B
Patent No. 6030810
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
APPLICANT: SANGAMESWARAN, LAKSHMI
TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
NUMBER OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESSES:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,020B
FILING DATE: 16-FEB-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:

LENGTH: 1988 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-024-020B-4

Query Match 2.9% Score 92.5; DB 3; Length 1988;
Best Local Similarity 18.4%; Pred. NO. 14; Mismatches 167; Indels 185; Gaps 21;
Matches 95; Conservative 69

QY 81 FVALI-----YMFVGSIIADRFMAIEVITSQREVTIKKPNGETSTTTIRVNNETVSN 135
DB 809 FLKLIADPYIYFQEGNMIIFGFIYSLSM-----ELSLADVEGSLVRSRL----- 856
QY 136 LTLMASSAPEILLSLIEVCGHGFAGDLGPSTIVGSAFNMFLIIGI-----CV 186
DB 857 LRVFKLAKSMPTLNM-LIKIIGNS--VGALGNLTVLAIIVFIFAVVGMQLFGSKYKCV 913
QY 187 YVDPGETRKIKHLRVF-----ITAMSIFFAYIMLYMLAVFSPGVQVW 232
DB 914 CKIQECKLPKPMHNDFFHSFLYFRVLCGEWITETMDMCEVAGACLIVFM--MVAVI 971
QY 233 EGLTLTFFFPYCVLLAWADKRLLEYKYMHKKYRTDKHGIITETGDPKGIEMDGKM 292
DB 972 GNLYVNLNLFALLLSFSADN-----LAATDD-----DGEMN 1003
QY 293 NSHFLDGNLVPLEGEVDESREMRILIKDL-----KOKHPE--KDLQOL 335
DB 1004 NLQI-----SVIRIKKGVAWTKVKVHAFFMQAHFKOREADEVAPLDEL 1045
QY 336 VE-----MANYVALSHQKSAFYRIQATRMGTAGNLTKKHAHQAKKASMSSEVHTDE 390
DB 1046 YEKKANCIAHTGVDIHNNGD--FOKNGGTSGIGSSVEKYIID----- 1088
QY 391 PEDFISKVFDPDPCSYQCLNCGAVLLTVRRKGDMSKTYVDYKTEDGSANAGADYEETE 450
DB 1089 -EDHMS-----FINNNLTVRPVIAVG-----ESDFELNLTEDVSS----- 1123
QY 451 GTVVLKGETOKERSVGIIDDIIEDEDEHFFVRLSNVRIEEOPEEGMPPALFNSLPRLR 510
DB 1124 -----ESDPESGSKDLDPDTSSEGSTIDIKPEVEEVAPVEQPEYID-----PD 1166
QY 511 AVLASPCVATYTIIDDDHAGIFTECDTIHVSISIG 546
DB 1167 ACFTGECVQ-----RRFCOVNIEEGIG 1189

RESULT 15
US-09-425-043-4
Sequence 4, Application US/09425043
Patent No. 6335172
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
APPLICANT: SANGAMESWARAN, LAKSHMI
TITLE OF INVENTION: NOVEL CLONED TETRODOXIN-SENSITIVE
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/425, 043
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/024, 020
FILING DATE: 16-FEB-1998
APPLICATION NUMBER: US 60/039, 447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1988 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-425-043-4

Query Match 2.9% Score 92.5; DB 4; Length 1988;
Best Local Similarity 18.4%; Pred. NO. 14; Mismatches 167; Indels 185; Gaps 21;
Matches 95; Conservative 69

QY 81 FVALI-----YMFVGSIIADRFMAIEVITSQREVTIKKPNGETSTTTIRVNNETVSN 135
DB 809 FLKLIADPYIYFQEGNMIIFGFIYSLSM-----ELSLADVEGSLVRSRL----- 856
QY 136 LTLMASSAPEILLSLIEVCGHGFAGDLGPSTIVGSAFNMFLIIGI-----CV 186
DB 857 LRVFKLAKSMPTLNM-LIKIIGNS--VGALGNLTVLAIIVFIFAVVGMQLFGSKYKCV 913
QY 187 YVDPGETRKIKHLRVF-----ITAMSIFFAYIMLYMLAVFSPGVQVW 232
DB 914 CKIQECKLPKPMHNDFFHSFLYFRVLCGEWITETMDMCEVAGACLIVFM--MVAVI 971
QY 233 EGLTLTFFFPYCVLLAWADKRLLEYKYMHKKYRTDKHGIITETGDPKGIEMDGKM 292
DB 972 GNLYVNLNLFALLLSFSADN-----LAATDD-----DGEMN 1003
QY 293 NSHFLDGNLVPLEGEVDESREMRILIKDL-----KOKHPE--KDLQOL 335
DB 1004 NLQI-----SVIRIKKGVAWTKVKVHAFFMQAHFKOREADEVAPLDEL 1045
QY 336 VE-----MANYVALSHQKSAFYRIQATRMGTAGNLTKKHAHQAKKASMSSEVHTDE 390
DB 1046 YEKKANCIAHTGVDIHNNGD--FOKNGGTSGIGSSVEKYIID----- 1088
QY 391 PEDFISKVFDPDPCSYQCLNCGAVLLTVRRKGDMSKTYVDYKTEDGSANAGADYEETE 450
DB 1089 -EDHMS-----FINNNLTVRPVIAVG-----ESDFELNLTEDVSS----- 1123
QY 451 GTVVLKGETOKERSVGIIDDIIEDEDEHFFVRLSNVRIEEOPEEGMPPALFNSLPRLR 510
DB 1124 -----ESDPESGSKDLDPDTSSEGSTIDIKPEVEEVAPVEQPEYID-----PD 1166
QY 511 AVLASPCVATYTIIDDDHAGIFTECDTIHVSISIG 546
DB 1167 ACFTGECVQ-----RRFCOVNIEEGIG 1189

Search completed: November 30, 2002, 12:33:32
Job time : 24.8748 secs

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